

Abstract

In a feeder circuit for operating a safety device of an elevator, a charging capacitor for actuating an actuator through discharge is employed. A failure detecting device for detecting the presence or absence of a capacitance shortage of a charging capacitor is also electrically connected to the feeder circuit. The failure detecting device has a memory in which a lower limit and upper limit of a charging time at the time when the charging capacitor is in normal operation are stored, and a CPU which is capable of measuring the charging time of the charging capacitor and detects whether or not the charging time is between the lower limit and the upper limit. When the charging time is between the lower limit and the upper limit, the CPU determines that there is no capacitance shortage of the charging capacitor.